

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083958.D
 Acq On : 19 Dec 2015 16:57
 Operator : UM/SJ
 Sample : G4875-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SWD-1

Quant Time: Dec 21 00:55:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

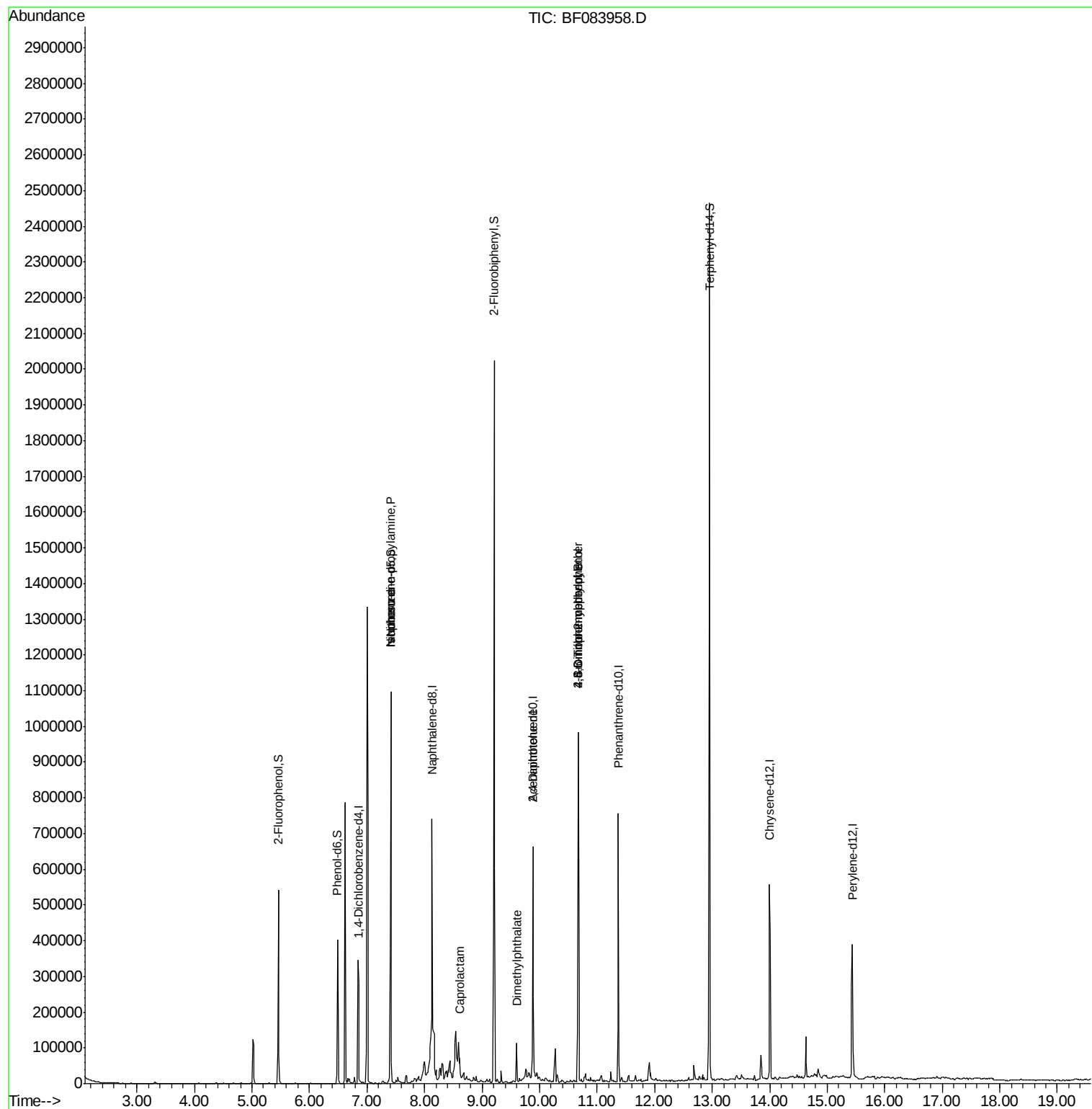
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	74468	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	271378	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	129355	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	255078	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	242852	20.00	ng	-0.03
86) Perylene-d12	15.44	264	182085	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	151915	31.93	ng	-0.02
7) Phenol-d6	6.49	99	131875	22.64	ng	-0.02
23) Nitrobenzene-d5	7.41	82	368024	77.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	118405	83.09	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	714121	76.27	ng	-0.03
78) Terphenyl-d14	12.96	244	882905	85.00	ng	-0.02
Target Compounds						
14) 1,2-Dichlorobenzene	7.02	146	344	Below Cal	#	64
19) n-Nitroso-di-n-propylamine	7.41	70	51468	15.16	ng	# 78
25) Isophorone	7.41	82	274698	30.70	ng	# 66
31) Naphthalene	8.16	128	789	Below Cal	#	1
35) Caprolactam	8.61	113	4164	3.17	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	261	Below Cal	#	20
45) 1,1'-Biphenyl	9.21	154	1513	Below Cal	#	1
49) Dimethylphthalate	9.61	163	62991	5.80	ng	# 91
56) 2,4-Dinitrotoluene	9.88	165	16710	5.51	ng	# 22
57) Fluorene	10.67	166	5168	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.67	198	233	4.07	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	7865	2.52	ng	# 1
77) Pyrene	12.81	202	571	Below Cal	#	57

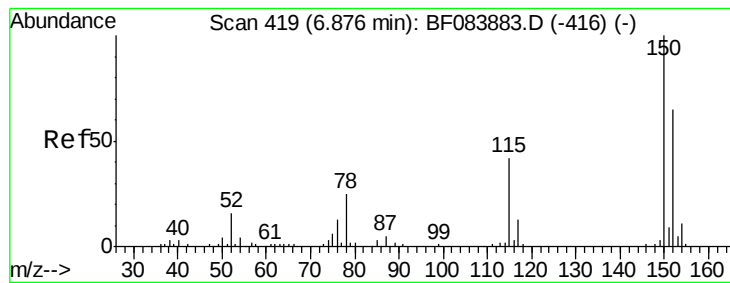
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

Instrument :

BNA_F

ClientSampleId :

SWD-1

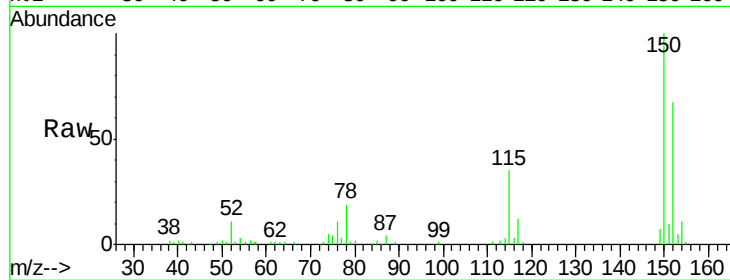
Tgt Ion:152 Resp: 74468

Ion Ratio Lower Upper

152 100

150 150.3 123.0 184.4

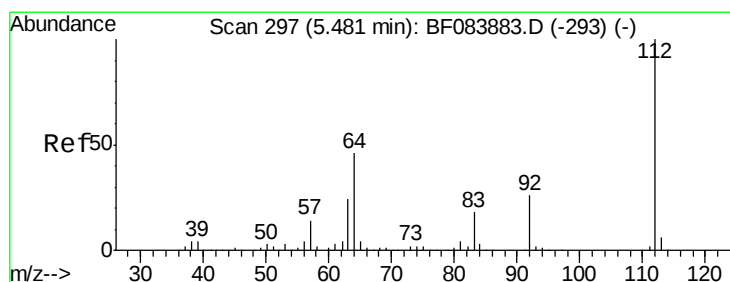
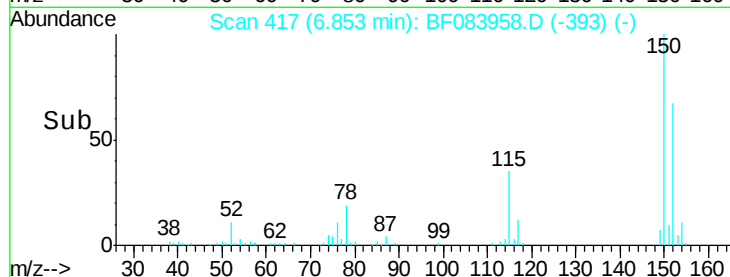
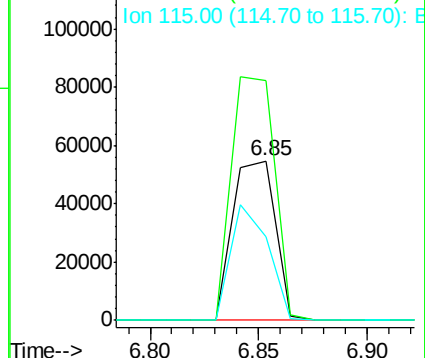
115 52.7 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 31.93 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.02 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

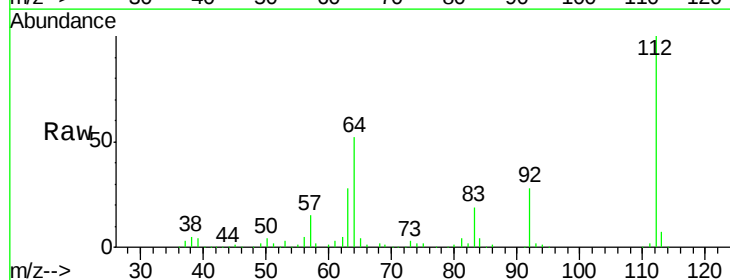
Tgt Ion:112 Resp: 151915

Ion Ratio Lower Upper

112 100

64 52.1 36.6 55.0

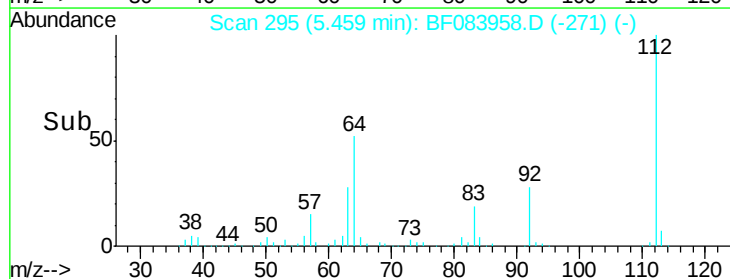
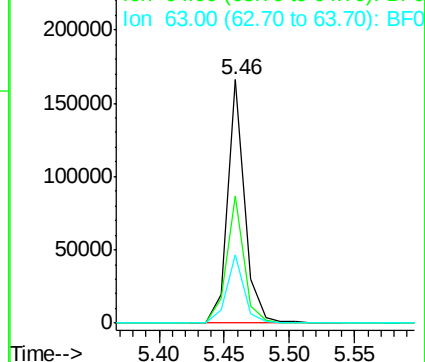
63 27.8 19.4 29.0

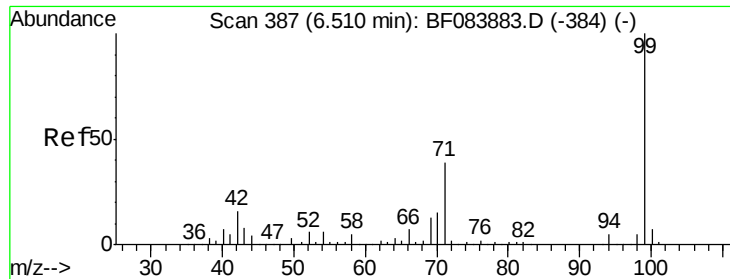


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.64 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

Instrument :

BNA_F

ClientSampleId :

SWD-1

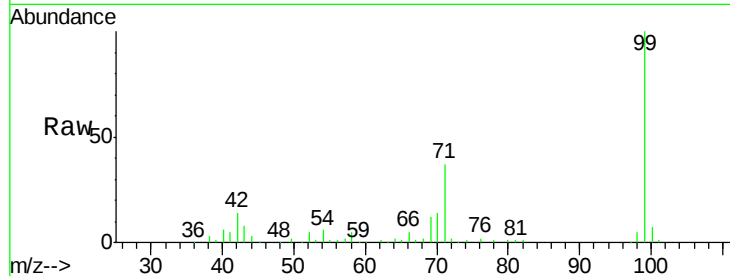
Tgt Ion: 99 Resp: 131875

Ion Ratio Lower Upper

99 100

42 14.1 12.8 19.2

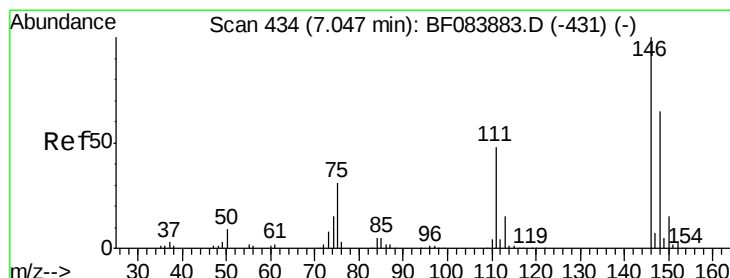
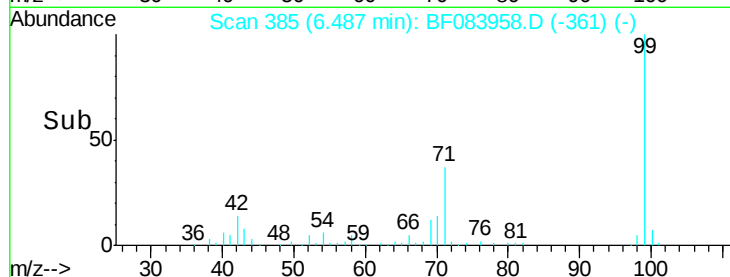
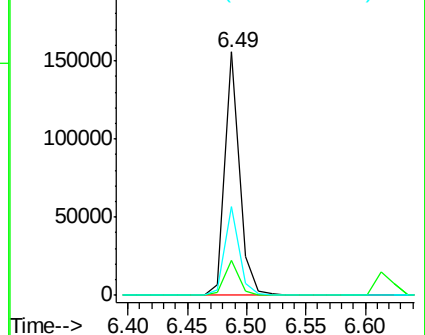
71 36.6 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 7.02 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

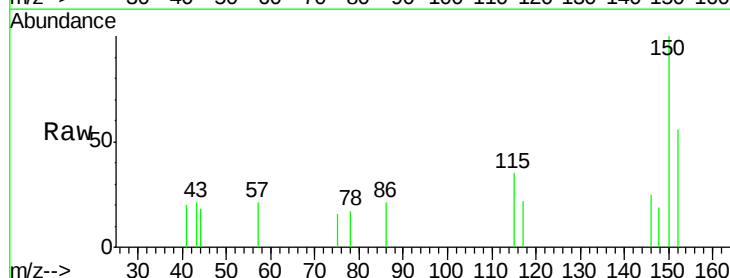
Tgt Ion: 146 Resp: 344

Ion Ratio Lower Upper

146 100

148 72.9 51.6 77.4

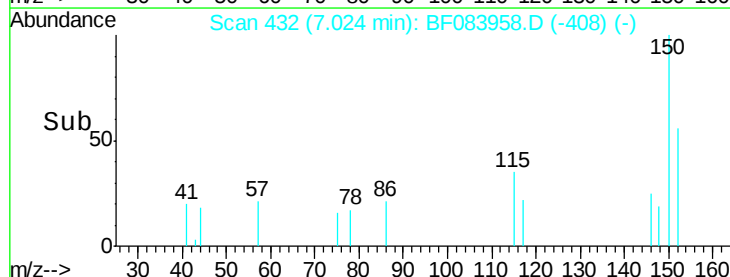
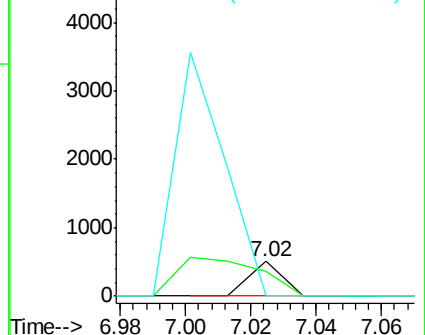
111 0.0 38.0 57.0#

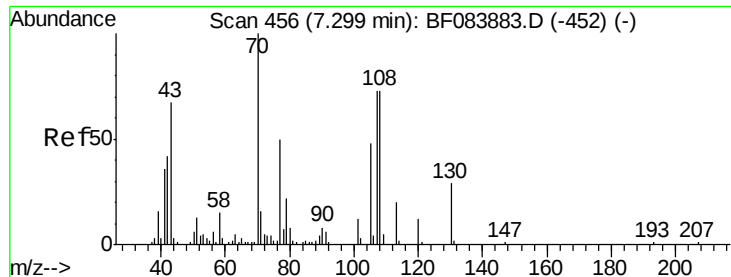


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

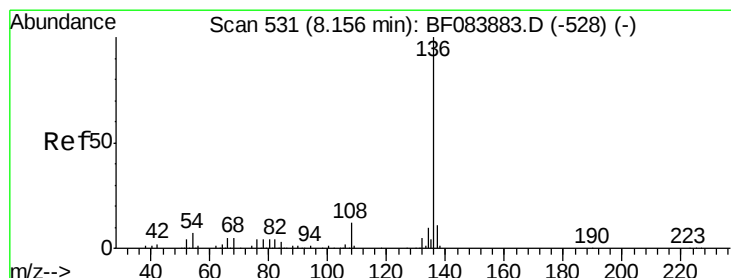
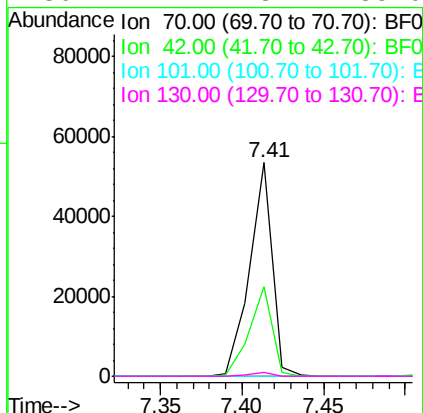
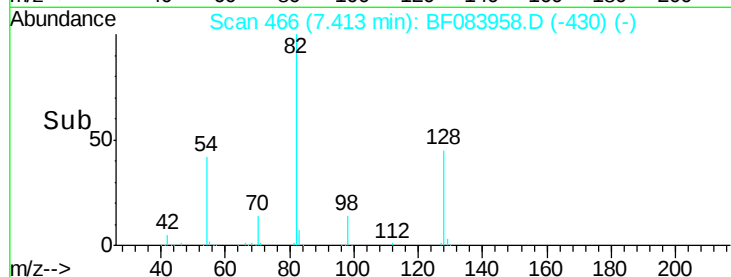
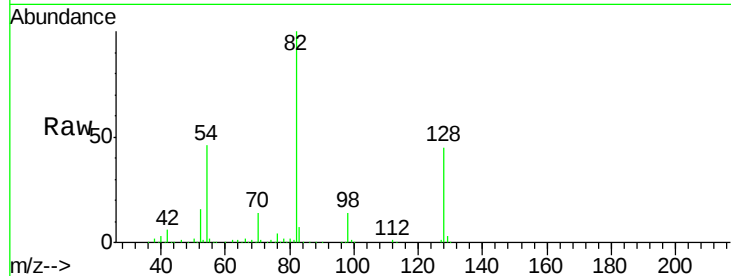




#19
n-Nitroso-di-n-propylamine
Concen: 15.16 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

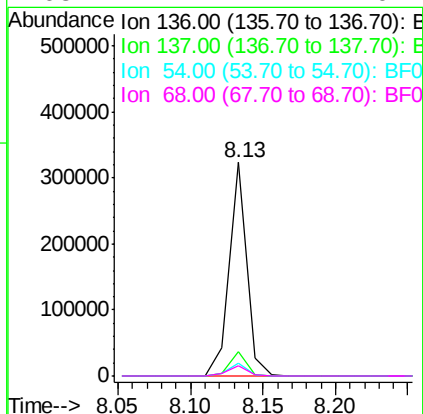
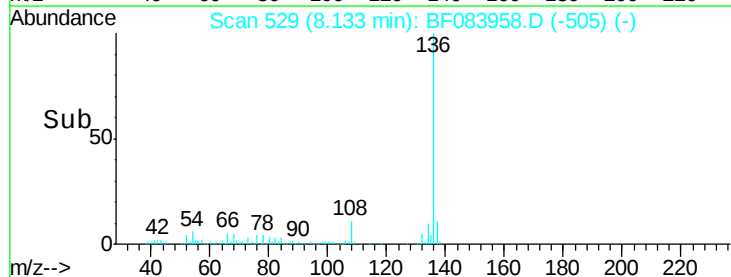
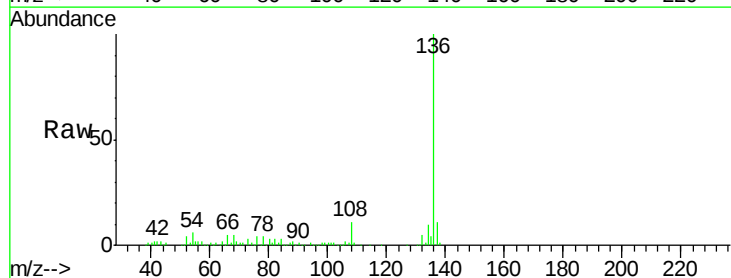
Instrument :
BNA_F
ClientSampleId :
SWD-1

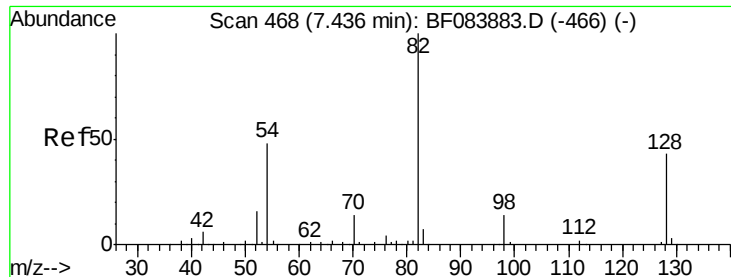
Tgt Ion: 70 Resp: 51468
Ion Ratio Lower Upper
70 100
42 41.7 33.3 49.9
101 0.0 9.3 13.9#
130 2.1 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

Tgt Ion: 136 Resp: 271378
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.1 5.8 8.8
68 4.7 4.2 6.2

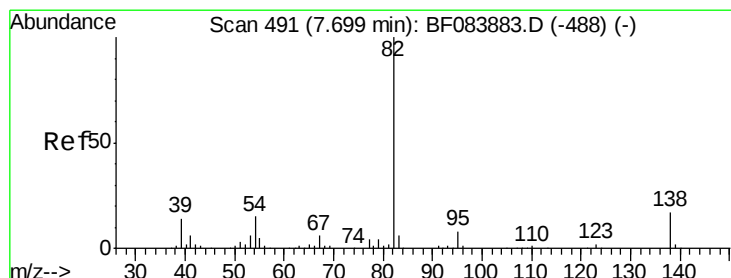
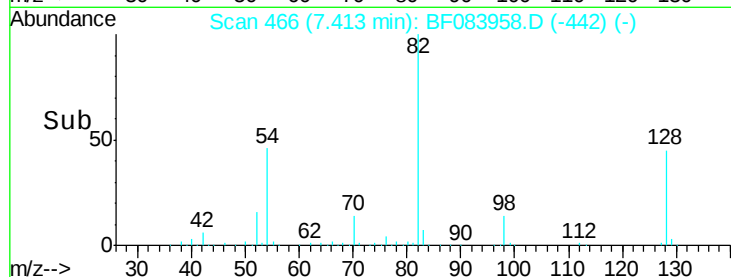
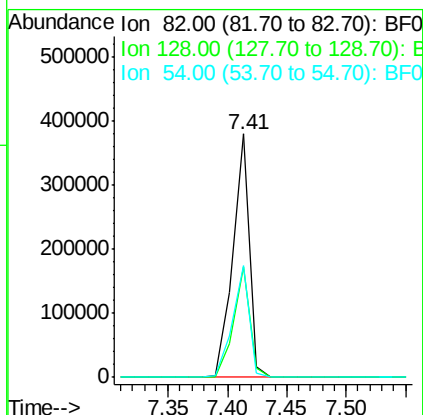
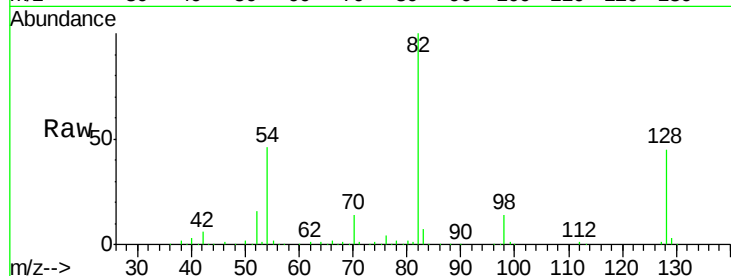




#23
 Nitrobenzene-d5
 Concen: 77.40 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083958.D
 Acq: 19 Dec 2015 16:57

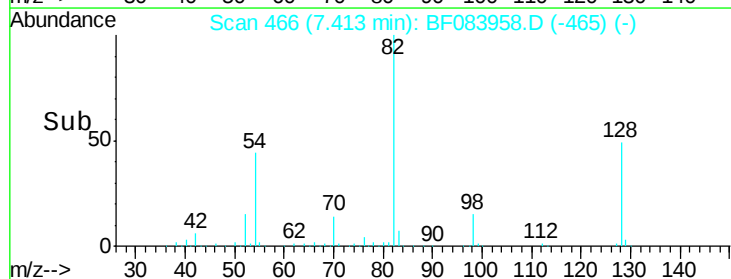
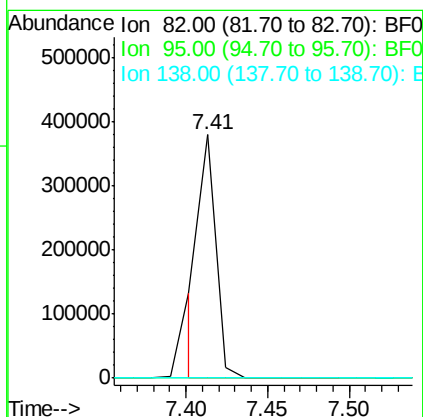
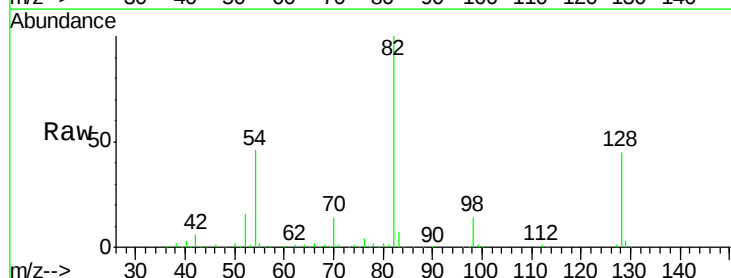
Instrument :
 BNA_F
 ClientSampleId :
 SWD-1

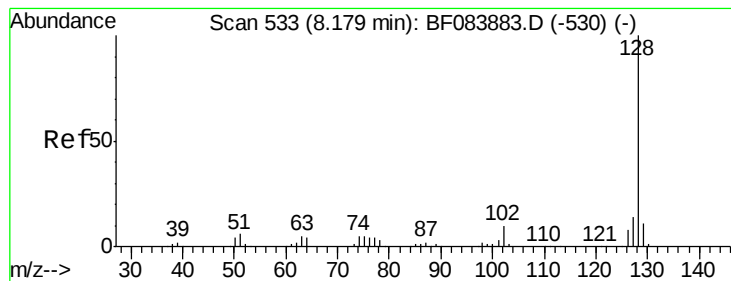
Tgt Ion: 82 Resp: 368024
 Ion Ratio Lower Upper
 82 100
 128 45.4 34.6 51.8
 54 46.0 38.4 57.6



#25
 Isophorone
 Concen: 30.70 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.29 min
 Lab File: BF083958.D
 Acq: 19 Dec 2015 16:57

Tgt Ion: 82 Resp: 274698
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 10.0#
 138 0.0 13.6 20.4#





#31

Naphthalene

Concen: Below Cal

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

Instrument :

BNA_F

ClientSampleId :

SWD-1

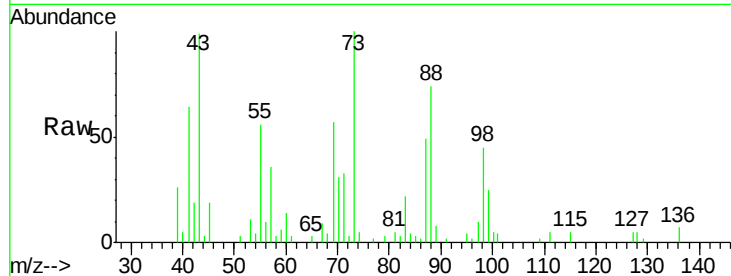
Tgt Ion:128 Resp: 789

Ion Ratio Lower Upper

128 100

129 48.1 9.1 13.7#

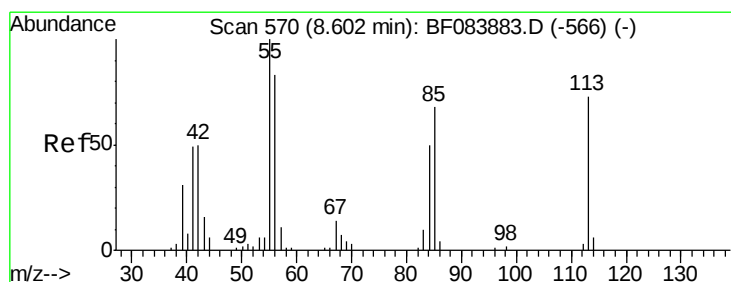
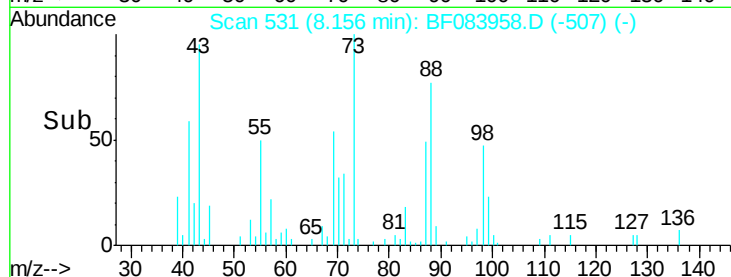
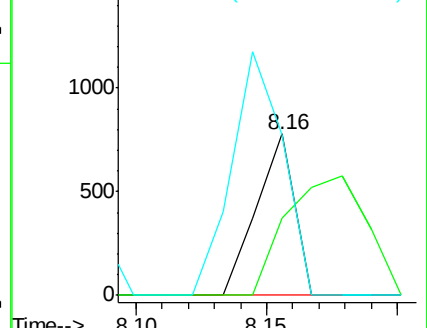
127 99.2 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#35

Caprolactam

Concen: 3.17 ng

RT: 8.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

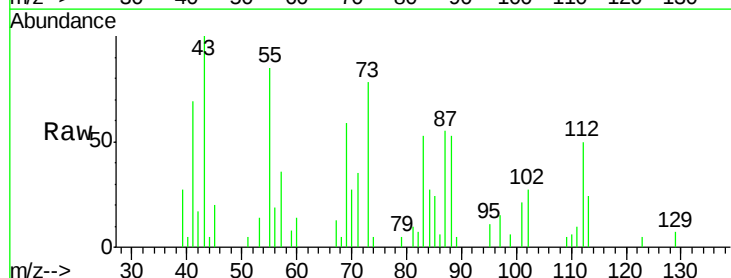
Tgt Ion:113 Resp: 4164

Ion Ratio Lower Upper

113 100

55 355.4 116.9 156.9#

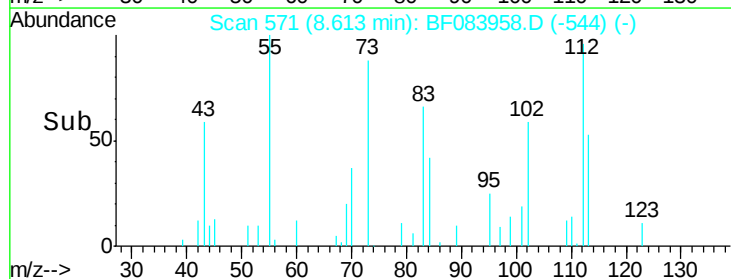
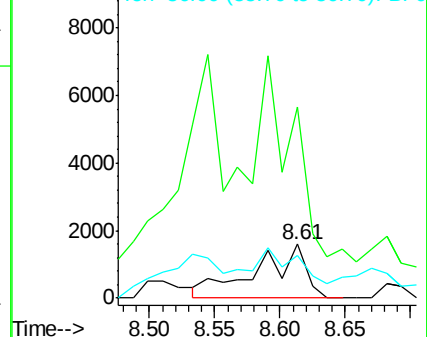
56 78.9 93.8 133.8#

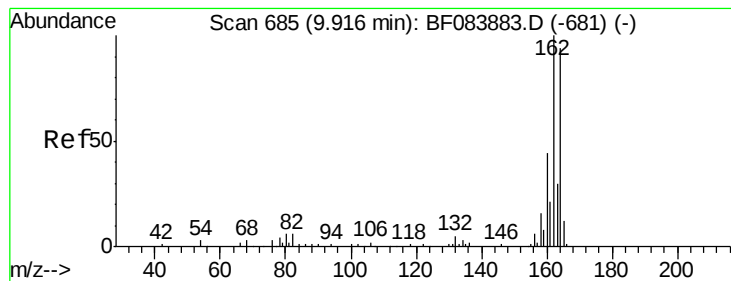


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

Instrument :

BNA_F

ClientSampleId :

SWD-1

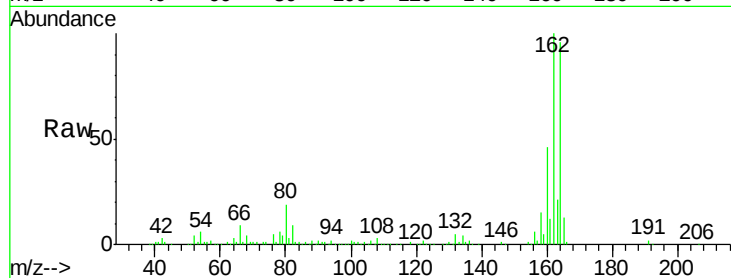
Tgt Ion:164 Resp: 129355

Ion Ratio Lower Upper

164 100

162 103.9 85.1 127.7

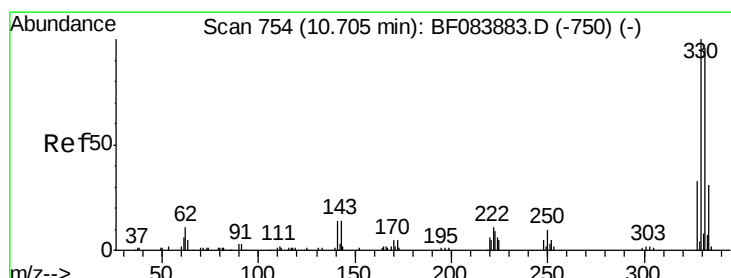
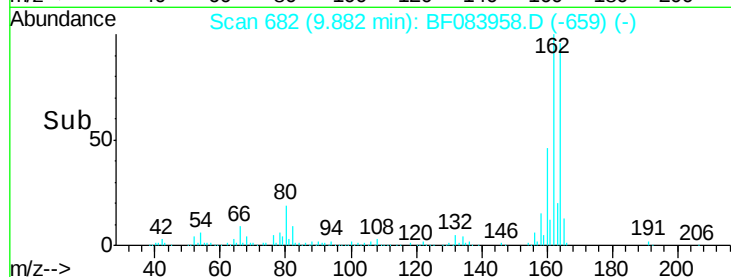
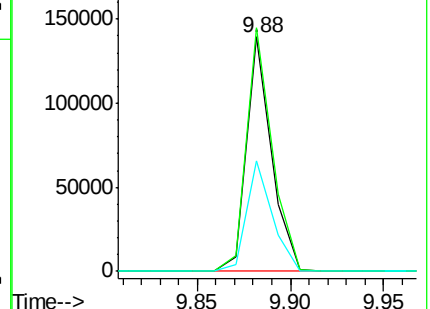
160 47.3 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 83.09 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.03 min

Lab File: BF083958.D

Acq: 19 Dec 2015 16:57

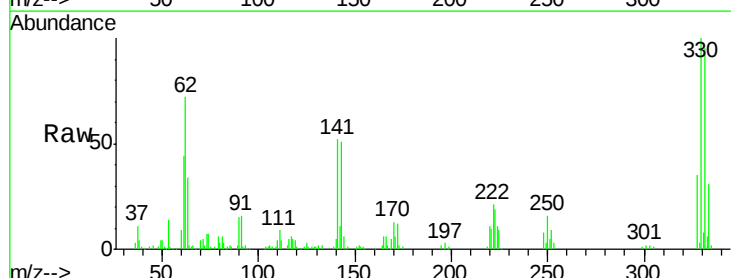
Tgt Ion:330 Resp: 118405

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

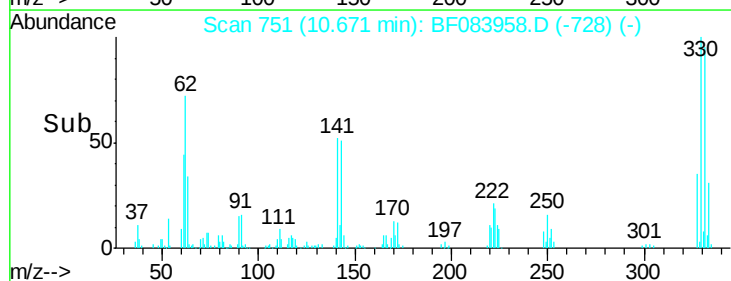
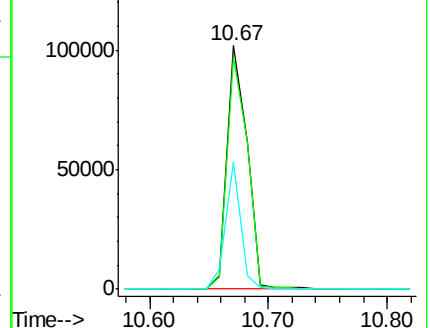
141 39.2 27.8 41.6

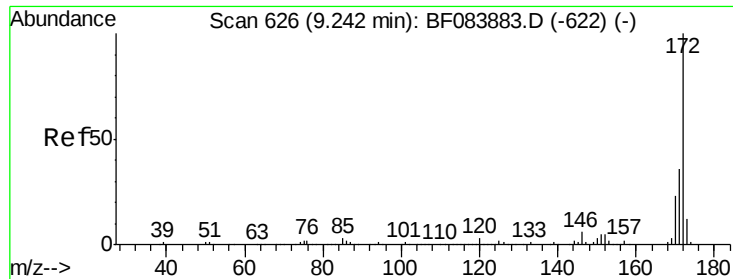


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

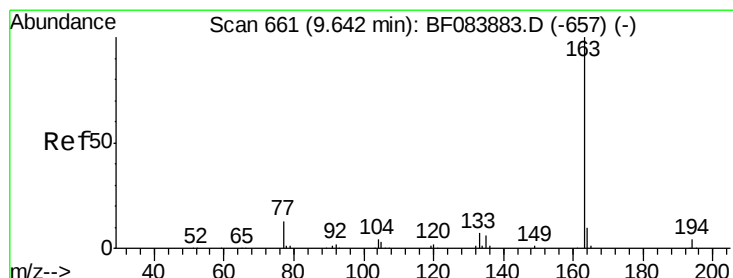
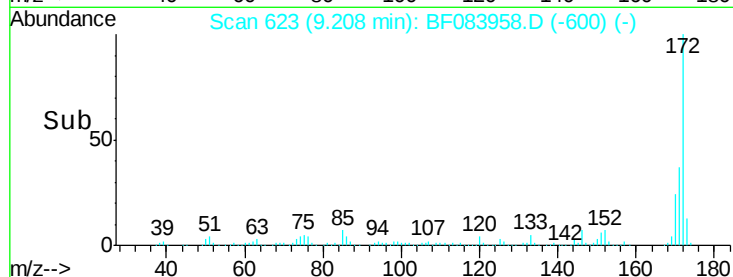
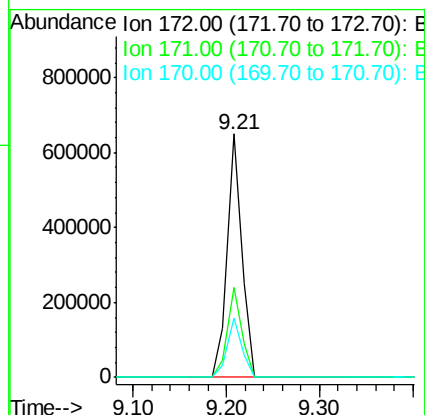
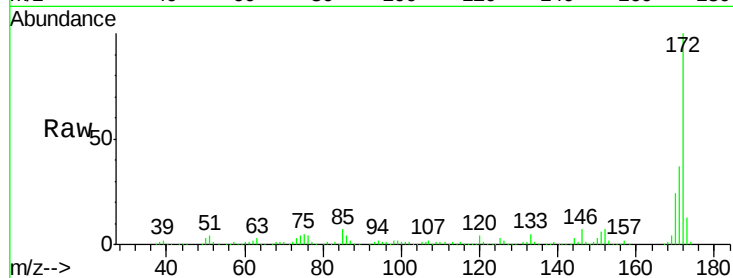




#44
2-Fluorobiphenyl
Concen: 76.27 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

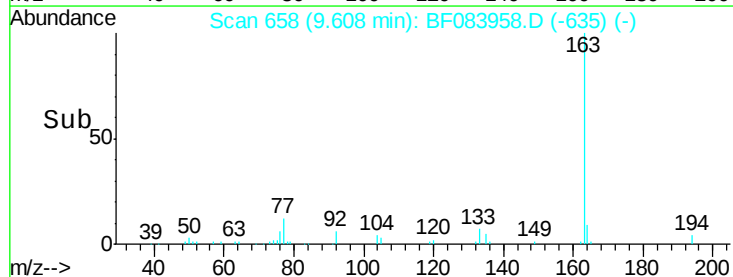
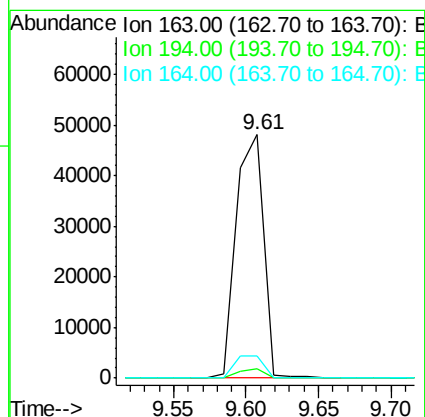
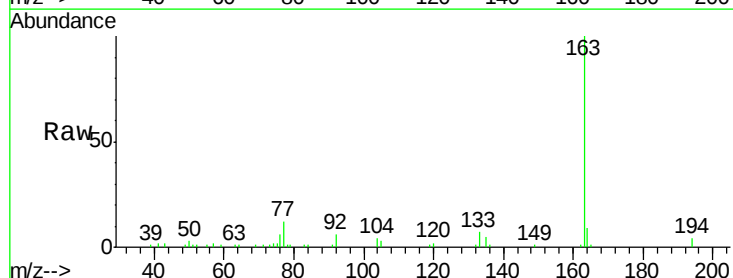
Instrument :
BNA_F
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SWD-1

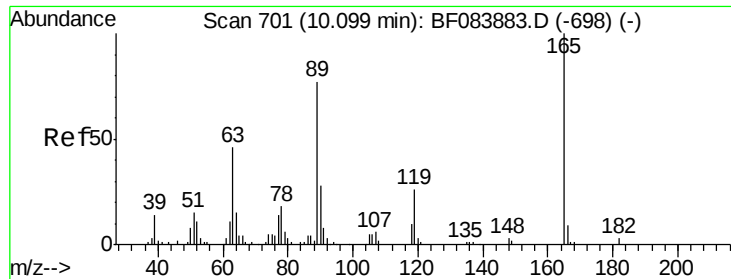
Tgt Ion:172 Resp: 714121
Ion Ratio Lower Upper
172 100
171 36.9 28.9 43.3
170 24.4 18.6 27.8



#49
Dimethylphthalate
Concen: 5.80 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

Tgt Ion:163 Resp: 62991
Ion Ratio Lower Upper
163 100
194 3.8 8.0 12.0#
164 9.2 8.0 12.0

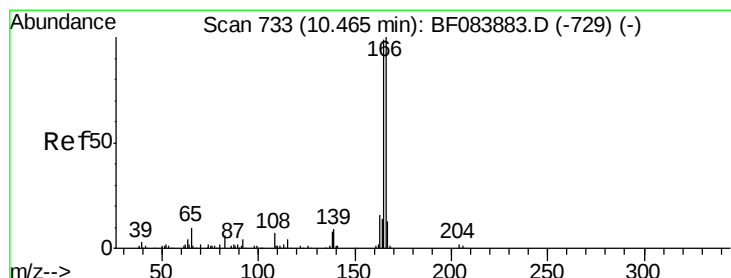
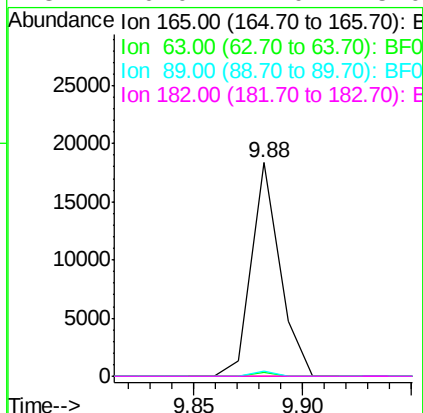
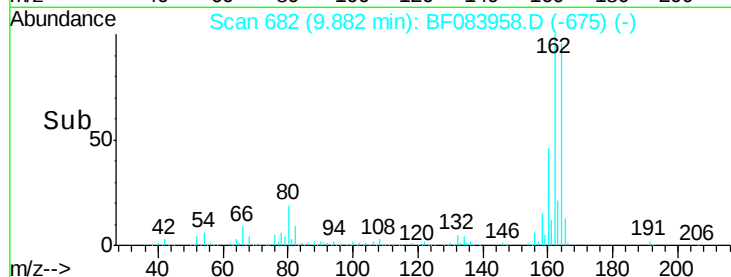
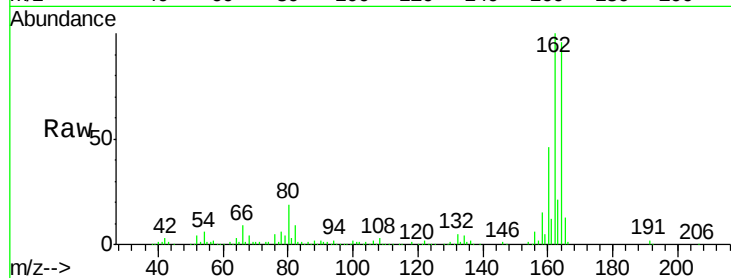




#56
2,4-Dinitrotoluene
Concen: 5.51 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.22 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

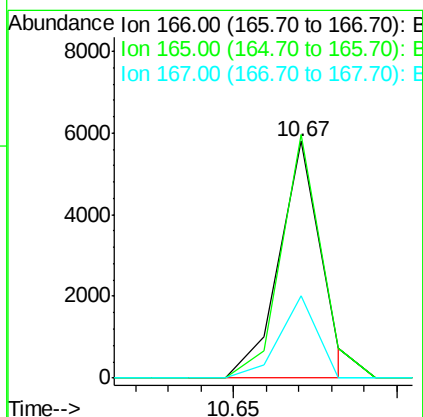
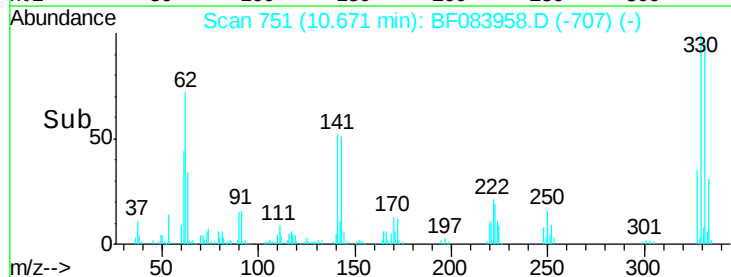
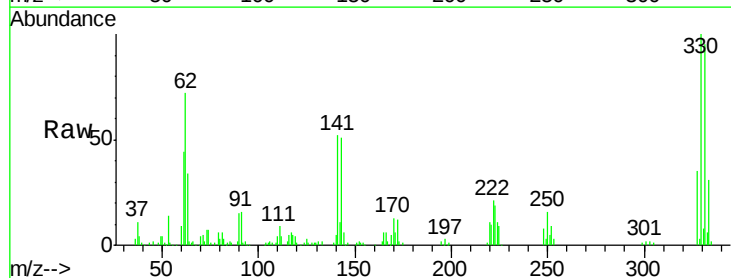
Instrument :
BNA_F
ClientSampleId :
SWD-1

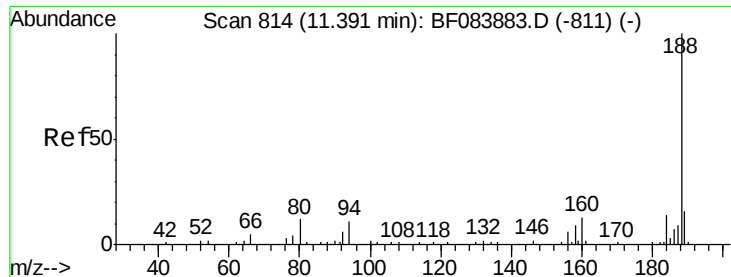
Tgt Ion:165 Resp: 16710
Ion Ratio Lower Upper
165 100
63 1.8 36.7 55.1#
89 2.2 61.9 92.9#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.67 min Scan# 751
Delta R.T. 0.21 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

Tgt Ion:166 Resp: 5168
Ion Ratio Lower Upper
166 100
165 102.8 79.1 118.7
167 35.0 10.4 15.6#

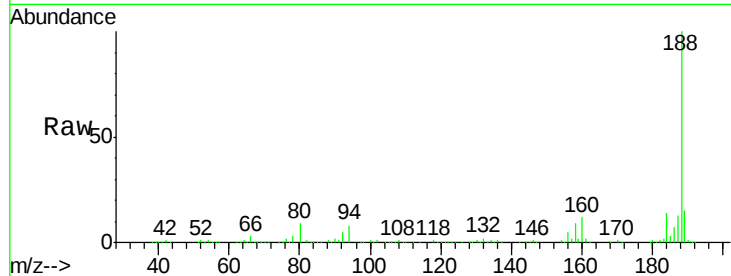




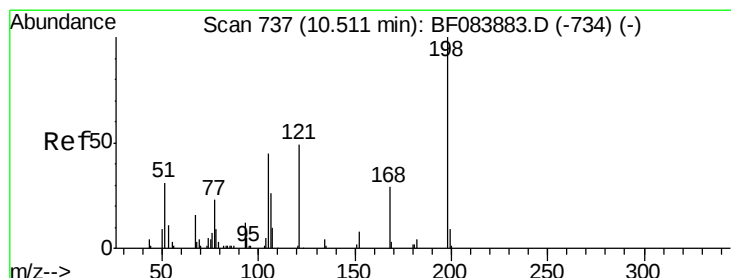
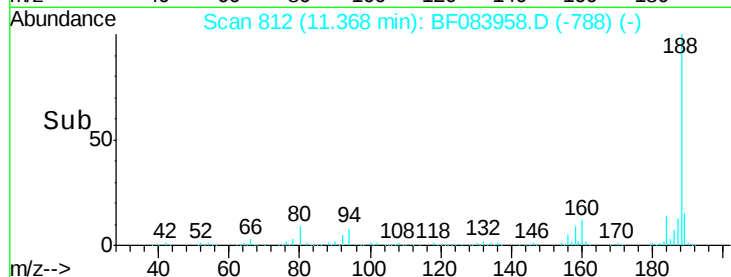
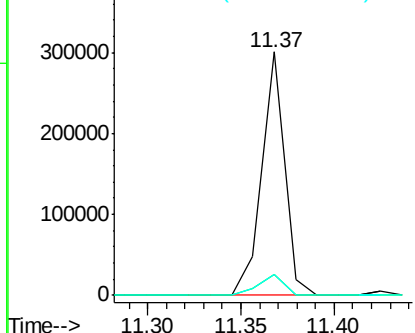
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

Instrument :
BNA_F
ClientSampleId :
SWD-1

Tgt Ion:188 Resp: 255078
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.4#
80 8.5 9.6 14.4#

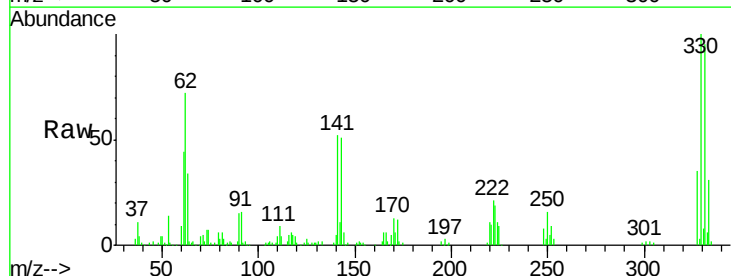


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

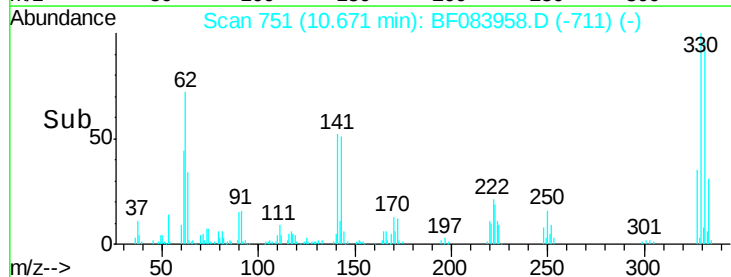
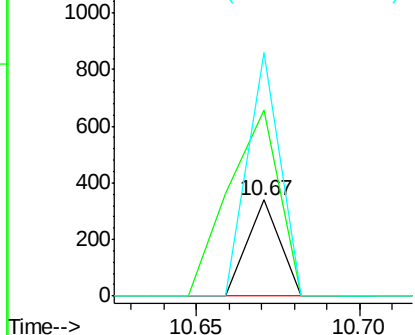


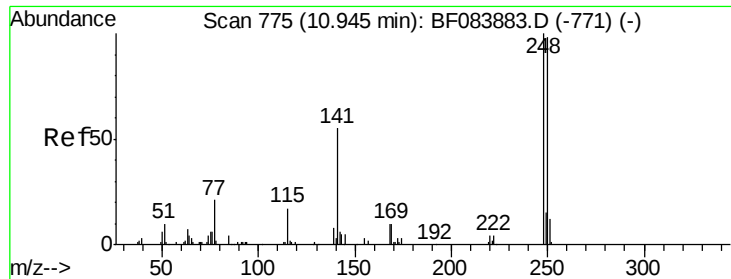
#64
4,6-Dinitro-2-methylphenol
Concen: 4.07 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.16 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

Tgt Ion:198 Resp: 233
Ion Ratio Lower Upper
198 100
51 193.8 18.9 58.9#
105 252.9 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

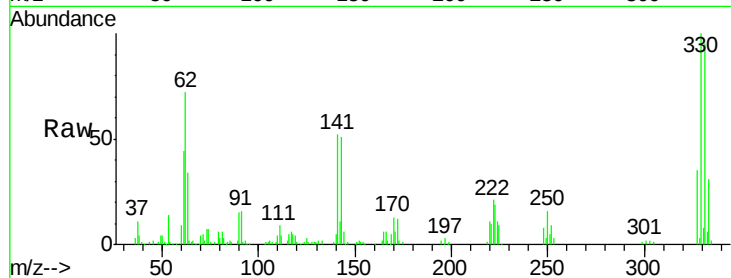




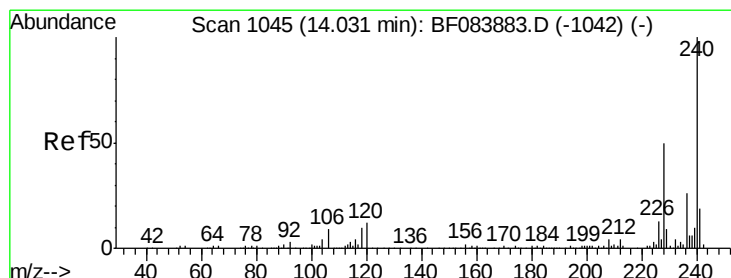
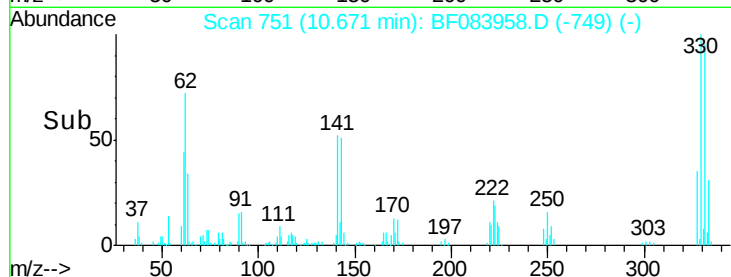
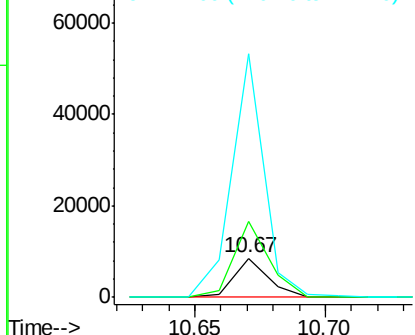
#66
4-Bromophenyl-phenylether
Concen: 2.52 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.27 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

Instrument :
BNA_F
ClientSampleId :
SWD-1

Tgt Ion:248 Resp: 7865
Ion Ratio Lower Upper
248 100
250 197.0 78.4 117.6#
141 626.7 44.0 66.0#

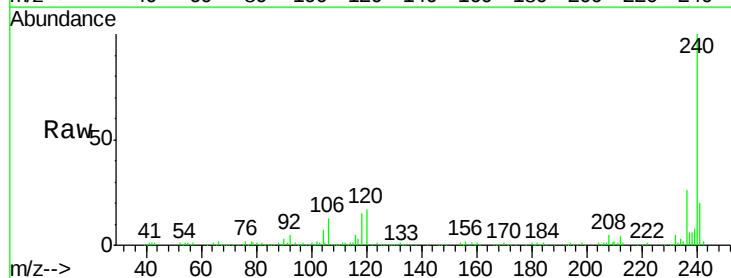


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

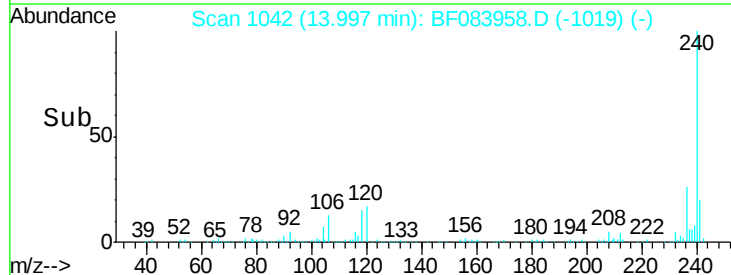
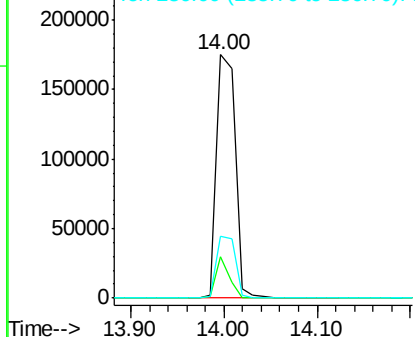


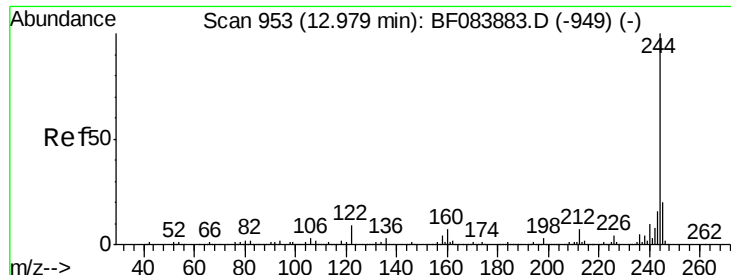
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BF083958.D
Acq: 19 Dec 2015 16:57

Tgt Ion:240 Resp: 242852
Ion Ratio Lower Upper
240 100
120 17.2 9.5 14.3#
236 25.6 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

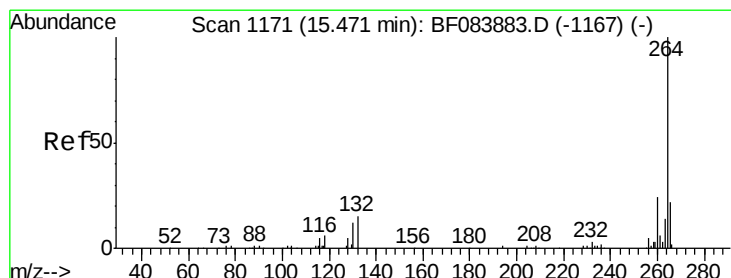
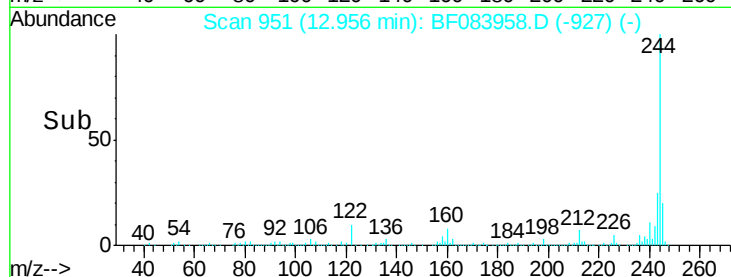
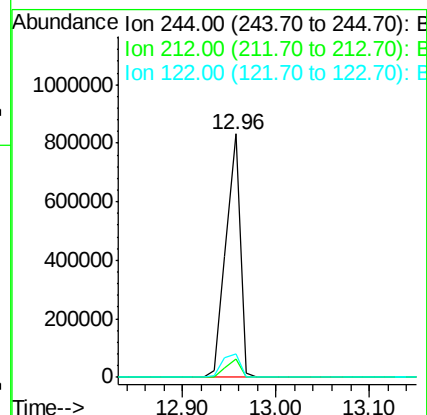
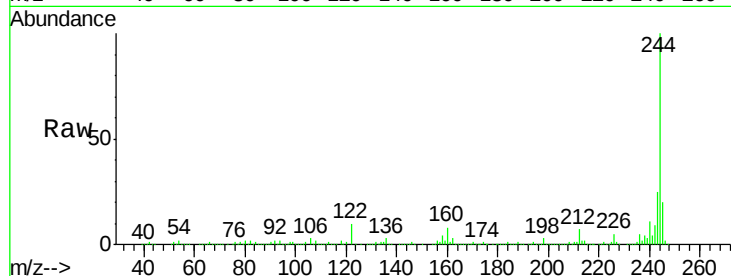




#78
 Terphenyl-d14
 Concen: 85.00 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083958.D
 Acq: 19 Dec 2015 16:57

Instrument :
 BNA_F
 ClientSampleId :
 SWD-1

Tgt Ion:244 Resp: 882905
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 9.9 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083958.D
 Acq: 19 Dec 2015 16:57

Tgt Ion:264 Resp: 182085
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 20.8 17.8 26.6

